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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	10/682,093
Filing Date	10/8/03
First Named Inventor	Daniel Luch
Art Unit	1753
Examiner Name	Jeff Barton
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,865,699	2/1975	Luch	
		US- 4,009,093	2/1977	Luch	
		US- 4,101,385	7/1978	Luch	
		US- 4,158,612	6/1979	Luch et al.	
		US- 4,191,617	3/1980	Hurley et al.	
		US- 4,195,117	3/1980	Luch	
		US- 4,429,020	1/1984	Luch	
		US- 4,603,092	7/1986	Luch	
		US- 5,547,516	8/1996	Luch	
		US- 5,567,296	10/1996	Luch	
		US- 5,735,966	4/1998	Luch	
		US- 6,239,352	5/2001	Luch	
		US- 6,414,235	7/2002	Luch	
		US- 6,459,032	10/2002	Luch	
		US- 6,582,887	6/2003	Luch	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	

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Sheet 2 of 4

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Application Number	10/682,093
Filing Date	October 8, 2003
First Named Inventor	Daniel Luch
Art Unit	1753
Examiner Name	Jeff Barton
Attorney Docket Number	

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		US- 3,523,875	8/1970	Minklei	
		US- 3,619,382	11/1971	Lupinski	
		US- 3,682,786	8/1972	Brown et al.	
		US- 4,038,042	7/1977	Adelman	
		US- 4,278,510	7/1981	Chien et al.	
		US- 4,395,362	7/1983	Satoh et al.	
		US- 4,425,262	1/1984	Kawai et al.	
		US- 4,510,079	4/1985	Kawai et al.	
		US- 4,380,112	4/1983	Little	
		US- 5,474,620	5/1994	Nath et al.	
		US- 5,681,402	10/1997	Ichinose et al.	
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		US- 4,443,651	12/1984	Swartz	
		US- 4,617,421	10/1986	Nath et al.	
		US- 4,697,041	9/1987	Okaniwa et al.	
		US- 4,746,618	5/1998	Nath et al.	
		US- 4,724,011	2/1998	Turner et al.	
		US- 4,769,086	9/1998	Tanner et al.	
		US- 4,965,655	10/1990	Grimmer et al.	
		US- 5,273,608	12/1993	Nath	
		US- 5,385,848	1/1995	Grimmer	
		US- 5,419,781	5/1995	Hamakawa et al.	
		US- 4,278,473	7/1981	Borden	
		US- 4,428,110	1/1984	Kim	
		US- 4,517,403	5/1985	Morel et al.	
		US- 4,542,255	9/1985	Tanner et al.	
		US- 4,584,427	4/1986	Mackamul et al.	
		US- 4,585,490	4/1986	Raffel et al.	
		US- 4,603,470	8/1986	Yamazaki	
		US- 4,624,045	11/1986	Ishihara et al.	
		US- 4,675,468	6/1987	Basol et al.	

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Application Number	10/682 093
Filing Date	10/8/03
First Named Inventor	Daniel Luck
Art Unit	1753
Examiner Name	Jeff Barton
Attorney Docket Number	

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		US- 4,745,078	5/1988	Stetter et al.	
		US- 4,758,526	7/1988	Thalheimer	
		US- 5,270,229	12/1993	Ishihara	
		US- 5,380,371	1/1995	Murakami	
		US- 5,421,908	6/1995	Yoshida et al.	
		US- 5,466,302	11/1995	Carey et al.	
		US- 5,575,861	11/1996	Younan et al.	
		US- 5,593,901	1/1997	Oswald et al.	
		US- 5,620,528	4/1997	Schade et al.	
		US- 5,626,686	5/1997	Yoshida	
		US- 5,674,325	10/1997	Albright et al.	
		US- 5,679,176	10/1997	Tsuzuki et al.	
		US- 5,733,381	3/1998	Ota et al.	
		US- 5,865,904	2/1999	Tanda	
		US- 5,868,869	2/1999	Albright et al.	
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